

**SAFE RUNWAYS AND A
CLEAN ENVIRONMENT**

SPEC: CRYOTECH E36®
Liquid Runway Deicer



BENEFITS

- * Safe for runways: meets FAA approved specifications
- * Safe for the environment: non-persistent, biodegradable, low BOD
- * Fast: runways are available sooner
- * Staying power: works longer, requiring fewer applications
- * Easy to apply: applied with existing equipment

PERFORMANCE

- * Excellent anti-icing characteristics
- * Active at low temperatures (-20°F and below)
- * Less slippery than glycol-based products

APPLICATION

- * Deicing: 1 gallon /1000 ft² (50 g/m²) near 32°F (0°C) on thin ice
3 gallons/1000 ft² (150 g/m²) below 10°F (-12°C) on 1 inch ice
- * Anti-icing: 0.5 gallons/1000 ft² (25 g/m²)
- * Reapply when new accumulation shows first tendency to bond
- * Plow often to reduce fluid dilution
- * Prewetting - apply at spreader outlet at a rate of 1.25 gallons per 100 lbs. (130 g/kg) of solid deicer

ENVIRONMENT

- * Low BOD
- * Biodegrades at low temperatures
- * Does not contain urea
- * Low toxicity to fish, mammals, and vegetation

HANDLING

- * Polyethylene, carbon, low alloy, or stainless steel containers
- * Containers must be clean and free of rust, surface deposits, and residues
- * Avoid galvanized materials in piping and storage systems. Potassium acetate is known to have a relatively slow reaction with zinc-coated materials. This is not an issue for airfield appurtenances where exposure time is limited.

PRODUCT SPECIFICATIONS – CRYOTECH E36®

COMPOSITION

50% aqueous potassium acetate solution, by weight, plus corrosion inhibitors

APPEARANCE

Clear, colorless*, mobile liquid, free from matter in suspension

DENSITY

at 20°C (68°F) = 10.7 lbs/gallon (1.28 g/cm³)

VISCOSITY

at 20°C (68°F) = 10 cp maximum
at 0°C (32°F) = 20 cp maximum

FLASH POINT

Nonflammable

FREEZING POINT

-60°C (-76°F)

MISCIBILITY WITH WATER

Complete

STORAGE

No special storage required**

TYPICAL pH

11.0 ± 0.5

SPECIFIC GRAVITY

At 20°C = 1.25 – 1.30

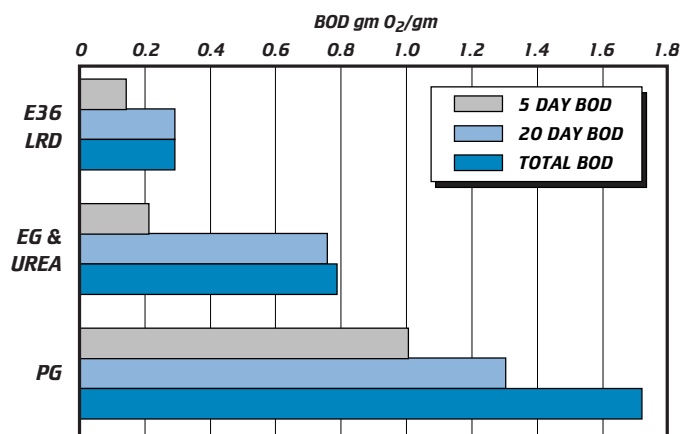
PACKAGE SIZE

55 gallon drum (208 liters)
265 gallon tote (1003 liters)

* May have blue food grade dye added at customer request

** Do not use galvanized materials

BOD (Biological Oxygen Demand)



E36 LRD Requires Less Oxygen to Biodegrade

Source: NW Aquatic Laboratories, 1992
Airports & Groundwater Contamination Seminar, Windsor Locks, CT, 1989

FOR ORDER INFORMATION CONTACT:

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